M Victoria JimÃ©nez

List of Publications by Year
in descending order

72	2,137	201674 27	254184 43
papers	citations	h-index	g-index

75	75	75	1843
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polymerization of phenylacetylene catalyzed by rhodium(<scp>i</scp>) complexes with N-functionalized N-heterocyclic carbene ligands. Polymer Chemistry, 2022, 13, 1411-1421.	3.9	7
2	N-Methylation of Amines with Methanol Catalyzed by Iridium(I) Complexes Bearing an N,O-Functionalized NHC Ligand. Organometallics, 2022, 41, 1364-1380.	2.3	5
3	Copper-Catalyzed Azideâ€“Alkyne Cycloaddition (CuAAC) by Functionalized NHC-Based Polynuclear Catalysts: Scope and Mechanistic Insights. Organometallics, 2022, 41, 2154-2169.	2.3	16
4	Catalytic applications of zwitterionic transition metal compounds. Dalton Transactions, 2021, , .	3.3	9
5	Carboxylate-Assisted Î²-(Z) Stereoselective Hydrosilylation of Terminal Alkynes Catalyzed by a Zwitterionic Bis-NHC Rhodium(III) Complex. ACS Catalysis, 2020, 10, 7367-7380.	11.2	24
6	Hybrid Catalysts Comprised of Graphene Modified with Rhodium-Based N-Heterocyclic Carbenes for Alkyne Hydrosilylation. ACS Applied Nano Materials, 2020, 3, 1640-1655.	5.0	27
7	EffectiveN-methylation of nitroarenes with methanol catalyzed by a functionalized NHC-based iridium catalyst: a green approach toN-methyl amines. Catalysis Science and Technology, 2020, 10, 3458-3467.	4.1	26
8	Influence of graphene sheet properties as supports of iridium-based N-heterocyclic carbene hybrid materials for water oxidation electrocatalysis. Journal of Organometallic Chemistry, 2020, 919, 121334.	1.8	8
9	Î²-(Z) Selectivity Control by Cyclometalated Rhodium(III)â€“Triazolylidene Homogeneous and Heterogeneous Terminal Alkyne Hydrosilylation Catalysts. ACS Catalysis, 2020, 10, 13334-13351.	11.2	28
10	Mechanistic Insights on the Functionalization of CO 2 with Amines and Hydrosilanes Catalyzed by a Zwitterionic Iridium Carboxylateâ€Functionalized Bisâ€NHC Catalyst. ChemCatChem, 2019, 11, 5524-5535.	3.7	20
11	Enhanced Chemical and Electrochemical Water Oxidation Catalytic Activity by Hybrid Carbon Nanotube-Based Iridium Catalysts Having Sulfonate-Functionalized NHC ligands. ACS Applied Energy Materials, 2019, 2, 3283-3296.	5.1	10
12	Dinuclear Phosphine-Amido [Rh2(diene){Î¼-NH(CH2)3PPh2}2] Complexes as Efficient Catalyst Precursors for Phenylacetylene Polymerization. Organometallics, 2019, 38, 1991-2006.	2.3	11
13	Molecular water oxidation catalysis by zwitterionic carboxylate bridge-functionalized bis-NHC iridium complexes. Catalysis Science and Technology, 2019, 9, 1437-1450.	4.1	16
14	Zwitterionic Rhodium and Iridium Complexes Based on a Carboxylate Bridge-Functionalized Bis-N-heterocyclic Carbene Ligand: Synthesis, Structure, Dynamic Behavior, and Reactivity. Inorganic Chemistry, 2018, 57, 5526-5543.	4.0	17
15	Mechanistic studies on the N-alkylation of amines with alcohols catalysed by iridium(i) complexes with functionalised N-heterocyclic carbene ligands. Catalysis Science and Technology, 2018, 8, 2381-2393.	4.1	29
16	Experimental and Theoretical Mechanistic Investigation on the Catalytic CO₂ Hydrogenation to Formate by a Carboxylate-Functionalized Bis(N-heterocyclic carbene) Zwitterionic Iridium(I) Compound. Organometallics, 2018, 37, 684-696.	2.3	25
17	Mechanistic Investigation on the Polymerization of Phenylacetylene by 2-Diphenylphosphinopyridine Rhodium(I) Catalysts: Understanding the Role of the Cocatalyst and Alkynyl Intermediates. Organometallics, 2018, 37, 2778-2794.	2.3	10
18	Hydrosilylation of Terminal Alkynes Catalyzed by a ONO-Pincer Iridium(III) Hydride Compound: Mechanistic Insights into the Hydrosilylation and Dehydrogenative Silylation Catalysis. Organometallics, 2016, 35, 2410-2422.	2.3	52

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19	Local structure of Iridium organometallic catalysts covalently bonded to carbon nanotubes.. Journal of Physics: Conference Series, 2016, 712, 012052.	0.4	1
20	Enhancing the hydrogen transfer catalytic activity of hybrid carbon nanotube-based NHCâ€“iridium catalysts by increasing the oxidation degree of the nanosupport. Catalysis Science and Technology, 2016, 6, 5504-5514.	4.1	20
21	Effect of structural differences of carbon nanotubes and graphene based iridium-NHC materials on the hydrogen transfer catalytic activity. Carbon, 2016, 96, 66-74.	10.3	25
22	Oxidation and Î²â€Alkylation of Alcohols Catalysed by Iridium(I) Complexes with Functionalised Nâ€Heterocyclic Carbene Ligands. Chemistry - A European Journal, 2015, 21, 17877-17889.	3.3	103
23	Mechanistic Insights into Transfer Hydrogenation Catalysis by [Ir(cod)(NHC)₂]⁺Complexes with Functionalized N-Heterocyclic Carbene Ligands. Organometallics, 2015, 34, 926-940.	2.3	41
24	Grapheneâ€“NHCâ€“iridium hybrid catalysts built through â€“OH covalent linkage. Carbon, 2015, 83, 21-31.	10.3	31
25	Synthesis and dynamic behaviour of zwitterionic [M(Î·6-C6H5-BPh3)(coe)2] (M = Rh, Ir) cyclooctene complexes. Dalton Transactions, 2014, 43, 14778-14786.	3.3	4
26	ONO Dianionic Pincer-Type Ligand Precursors for the Synthesis of Ïƒ,Ï€-Cyclooctenyl Iridium(III) Complexes: Formation Mechanism and Coordination Chemistry. Organometallics, 2013, 32, 6903-6917.	2.3	11
27	Bis(hydrosulfido)-bridged dinuclear rhodium(<scp>i</scp>) complexes as a platform for the synthesis of trinuclear sulfido aggregates with the core [MRh₂(Î¼₃-S₂)] (M =) Tj ETQq1 1 0.784314 rgBT		
28	Mechanistic Studies on the Catalytic Oxidative Amination of Alkenes by Rhodium(I) Complexes with Hemilabile Phosphines. ChemCatChem, 2013, 5, 263-276.	3.7	14
29	Enhanced Hydrogen-Transfer Catalytic Activity of Iridium N-Heterocyclic Carbenes by Covalent Attachment on Carbon Nanotubes. ACS Catalysis, 2013, 3, 1307-1317.	11.2	77
30	Unsaturated Iridium(III) Complexes Supported by a Quinolatoâ€“Carboxylato ONO Pincer-Type Ligand: Synthesis, Reactivity, and Catalytic Câ€“H Functionalization. Organometallics, 2013, 32, 6918-6930.	2.3	19
31	Steric Effects in the Oxidative Addition of MeI to a Sulfido-Bridged ZrRh2 Earlyâ€“Late Heterobimetallic Compound. Organometallics, 2012, 31, 6395-6407.	2.3	9
32	Synthesis, structure, and kinetic studies on [RuCl2(NCCH3)2(cod)]. Journal of Coordination Chemistry, 2012, 65, 2981-2991.	2.2	5
33	Rhodium(I) Complexes with Hemilabile Phosphines: Rational Design for Efficient Oxidative Amination Catalysts. ChemCatChem, 2012, 4, 1298-1310.	3.7	12
34	Unsaturated iridium pyridinedicarboxylate pincer complexes with catalytic activity in borylation of arenes. Dalton Transactions, 2011, 40, 8429.	3.3	24
35	Iridium(I) Complexes with Hemilabile N-Heterocyclic Carbenes: Efficient and Versatile Transfer Hydrogenation Catalysts. Organometallics, 2011, 30, 5493-5508.	2.3	132
36	Hydride Mobility in Trinuclear Sulfido Clusters with the Core [Rh₃(Î¼â€H)(Î¼₃â€S)₂]: Molecular Models for Hydrogen Migration on Metal Sulfide Hydrotreating Catalysts. Chemistry - A European Journal, 2011, 17, 8115-8128.	3.3	13

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37	Rational design of efficient rhodium catalysts for the anti-markovnikov oxidative amination of styrene. Chemical Communications, 2010, 46, 5322.	4.1	23
38	Branched Poly(phenylacetylene). Macromolecules, 2010, 43, 6278-6283.	4.8	20
39	Convenient Methods for the Synthesis of a Library of Hemilabile Phosphines. Synthesis, 2009, 2009, 1916-1922.	2.3	34
40	On the Synthesis and Chemical Behaviour of the Elusive Bis(hydrosulfido)â€Bridged Dinuclear Rhodium(I) Complexes [{Rh(Î¼â€SH)(CO)(PR₃)}₂]. Chemistry - A European Journal, 2009, 15, 12212-12222.	3.3	12
41	Cationic Rhodium Complexes with Hemilabile Phosphine Ligands as Polymerization Catalyst for High Molecular Weight Stereoregular Poly(phenylacetylene). Macromolecules, 2009, 42, 8146-8156.	4.8	53
42	Rhodium(I) Complexes with Hemilabile N-Heterocyclic Carbenes: Efficient Alkyne Hydrosilylation Catalysts. Organometallics, 2008, 27, 224-234.	2.3	177
43	Câ^'C Formation and Câ^'O Cleavage Reactions on Hemilabile Areneâ^'Phosphine Ligands in Route to Î·⁵-Cyclohexadienyl Iridium Compounds^{Â§}. Organometallics, 2008, 27, 4229-4237.	2.3	5
44	Reactions of Diamidonaphthalene-Bridged Diiridium Tetrahydrides with Alkynes:â€‰ Hydrogenation, Vinylidene Formation, and Catalytic Câ^'C Coupling. Organometallics, 2005, 24, 2722-2729.	2.3	65
45	Heterodinuclear Iridium Cyclooctadiene Complexes with the [(Î·5-C5H5)Fe(Î·6-(1,1-di(2-propenyl)-3-butenyl)benzene)]+Ligand. Organometallics, 2002, 21, 326-330.	2.3	10
46	Sequential Câ^'H Activation and Dinuclear Insertion of Ethylene Promoted by a Diiridium Complex. Journal of the American Chemical Society, 2002, 124, 752-753.	13.7	32
47	Alkene Câ^'H Activations at Dinuclear Complexes Promoted by Oxidation. Angewandte Chemie - International Edition, 2002, 41, 1208-1211.	13.8	17
48	Transmission of Trans Effects in Dinuclear Complexes. Journal of the American Chemical Society, 2001, 123, 11925-11932.	13.7	32
49	Key Factors Determining the Course of Methyl Iodide Oxidative Addition to Diamidonaphthalene-Bridged Diiridium(I) and Dirhodium(I) Complexes. Inorganic Chemistry, 2000, 39, 4868-4878.	4.0	36
50	Competitive Reaction Pathways in the Addition of Phenylacetylene to Diamidonaphthalene-Bridged Diiridium Complexesâ€. Organometallics, 1999, 18, 1125-1136.	2.3	56
51	Synthesis and characterization of heterobimetallic complexes containing C-S cleaved thiophenes. Inorganica Chimica Acta, 1998, 272, 55-61.	2.4	6
52	Binuclear Oxidative Addition of Hydrogen in Diamidonaphthalene-Bridged Diiridium Complexes. Chemistry - A European Journal, 1998, 4, 1398-1410.	3.3	44
53	Synthesis of the homoleptic rhodium(III) complex [Rh(C6Cl5)3]. Molecular structures of [Rh(C6Cl5)3] and [Rh(C6Cl4â€“C6Cl4)(C6Cl5)(SC4H8)2]. Journal of the Chemical Society Dalton Transactions, 1998, , 4211-4214.	1.1	10
54	Mimicking the HDS Activity of Promoted Tungsten Catalysts. A Homogeneous Modeling Study Using a Two-Component Tungsten/Rhodium System. Organometallics, 1997, 16, 5696-5705.	2.3	29

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55	Synthesis and Reactivity of Mononuclear (Pentachlorophenyl)rhodium(II) Complexes. Structural Relevance of Rhodiumâ^'o-Chlorine Secondary Bonding. Organometallics, 1997, 16, 1026-1036.	2.3	40
56	Like on Heterogeneous Hydrodesulfurization(HDS) Catalysts, the Homogeneous HDS of Benzo[b]thiophene Is Achived by the Concomitant Action of a Metal Promoter(Rh) and an Active HDS Component(W). Angewandte Chemie International Edition in English, 1996, 35, 1706-1708.	4.4	32
57	Cî—¸H bond activation of thiophenes at iridium: a lower energy process than Cî—¸S bond scission. Journal of Organometallic Chemistry, 1995, 504, 27-31.	1.8	33
58	Metal Activation of Dibenzo[b,d]thiophene. Reactivity of the C-S Insertion Product [MeC(CH2PPh2)3]IrH(.eta.2(C,S)-C12H8S). Organometallics, 1995, 14, 4850-4857.	2.3	22
59	Rhodium-Assisted Transformations of Substituted Thiophenes into Butadienyl Methyl Sulfides. Organometallics, 1995, 14, 4858-4864.	2.3	17
60	Redox-Induced Conversion Pathways in Rhodium and Iridium Complexes Containing C-S Bond Cleaved Benzo[b]thiophene. Organometallics, 1995, 14, 4390-4401.	2.3	25
61	Synthesis and Reactivity of Mononuclear Anionic Pentafluorophenyl Compounds of Rhodium(I) and Iridium(I). X-ray Structure of [{P(OPh)3}2(C6F5)2RhAg(PPh3)]. Inorganic Chemistry, 1995, 34, 2153-2159.	4.0	22
62	C-S Bond Scission of Substituted Thiophenes at Rhodium. Factors Influencing the Regioselectivity of the Insertion and the Stability of the Resulting Metalathiacycles. Organometallics, 1995, 14, 3196-3202.	2.3	38
63	Hydrodesulfurization (HDS) Model Systems. Opening, Hydrogenation, and Hydrodesulfurization of Dibenzothiophene (DBT) at Iridium. First Case of Catalytic HDS of DBT in Homogeneous Phase. Organometallics, 1995, 14, 2342-2352.	2.3	81
64	The Catalytic Transformation of Benzo[b]thiophene to 2-Ethylthiophenol by a Soluble Rhodium Complex: The Reaction Mechanism Involves Ring Opening Prior to Hydrogenation. Journal of the American Chemical Society, 1995, 117, 8567-8575.	13.7	68
65	Dinuclear pentafluorophenyl compounds of rhodium(III) with anionic bridging ligands. Molecular structures of [P(CH2Ph)Ph3]2[{Rh(C6F5)3}2(Âµ-SCN)2] and [P(CH2Ph)Ph3]2[{Rh(C6F5)3}2(Âµ-CO3)]. Journal of the Chemical Society Dalton Transactions, 1995, , 917-925.	1.1	9
66	Homogeneous Reactions of Thiophenes with Transition Metals: A Modeling Approach for Elucidation of the Hydrodesulfurization Mechanism and an Effective Method for the Synthesis of Unusual Organosulfur Compounds. Journal of the American Chemical Society, 1995, 117, 4333-4346.	13.7	73
67	Thiophene Câ€“S bond cleavage by rhodium and iridium. An unprecedented bridging mode of the open C4H4S fragment. Journal of the Chemical Society Chemical Communications, 1995, , 921-922.	2.0	16
68	A homoleptic mononuclear iridium(II) organometallic complex: synthesis and x-ray structure of [Ir(C6Cl5)4]2-. Organometallics, 1993, 12, 4660-4663.	2.3	33
69	Paramagnetic mononuclear rhodium(II) organometallic complexes. X-ray structure of [Rh(C6Cl5)2[P(OPh)3]2]. Organometallics, 1993, 12, 3257-3263.	2.3	28
70	A Paramagnetic, Mononuclear Organometallic Iridium(II) Complex:[Ir(C6Cl5)2(cod)]. Angewandte Chemie International Edition in English, 1992, 31, 1527-1529.	4.4	33
71	Ein paramagnetischer, einkerniger metallorganischer Iridium(<scp>II</scp>)â€Komplex: [Ir(C₆Cl₅)₂(cod)]. Angewandte Chemie, 1992, 104, 1512-1514.	2.0	11
72	Tris(pentafluorophenyl) neutral and anionic five-co-ordinate complexes of rhodium(III). Crystal structures of [Rh(C6F5)3(PEt3)2] and [Rh(C6F5)3(AsPh3)2]. Journal of the Chemical Society Dalton Transactions, 1990, , 1503-1508.	1.1	13